

SolarTech Power Solutions

Energy storage equipment 2 trillion



Overview

How much did energy transition investment grow in 2025?

Photographer: Krisztian Bocsi/Bloomberg NEW YORK, January 30, 2025 – Investment in the low-carbon energy transition worldwide grew 11% to hit a record \$2.1 trillion in 2024, according to Energy Transition Investment Trends 2025, an annual report released today by research provider BloombergNEF (BNEF).

What drives growth in energy transition technologies?

Growth was driven by electrified transport, renewable energy, and power grids, which all reached new highs last year, along with energy storage investment. While overall investment in energy transition technologies set a new record, the pace of growth was slower than the previous three years, when investment jumped by 24-29% annually.

How has energy transition technology changed over the past 3 years?

While overall investment in energy transition technologies set a new record, the pace of growth was slower than the previous three years, when investment jumped by 24-29% annually. Electrified transport remained the largest investment driver, reaching \$757 billion in 2024.

How much money did China invest in energy in 2024?

Global investment in the energy transition hit a record \$2.1 trillion in 2024, climbing 11% from a year earlier. Mainland China has returned to the driving seat, accounting for two-thirds of the global increase seen last year. The global clean energy supply chain saw \$130 billion in new investment, despite ongoing struggles with overcapacity.

How big will a battery energy storage system be in 2024?

After record growth in 2024, U.S. battery energy storage systems (BESS) could grow from more than 26 gigawatts (GW) of capacity—enough to power 20

million homes—to anywhere from 120 GW to 150 GW by the end of 2030, depending on the range of projections.

What are the biggest energy sectors in 2024?

By far the largest sectors are electrified transport at \$757 billion, renewable energy at \$728 billion and power grids at \$390 billion. All three of these sectors grew to new records in 2024, as did energy storage, which shrugged off headwinds to reach \$54 billion.

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We're about to see a \$1 trillion 'super-cycle' of investment in

Aug 1, 2025 · Today, technology advances and dramatic cost decreases combine to set up battery energy storage as the savior for both renewables and the overarching electric grid as ...

EU power grid needs trillion-dollar upgrade to ...

May 5, 2025 · Europe's ageing power grid and lack of energy storage capacity will require trillions of dollars in investments to cope with rising green energy ...



Global market for key clean technologies set to ...

Oct 30, 2024 · Global market for key clean technologies set to triple to more than \$2 trillion over the coming decade as energy transitions advance - News from ...

World Energy Investment 2024 - Analysis

4 days ago · Global energy investment is set to exceed USD 3 trillion for the first time in 2024, with USD 2 trillion going to clean energy technologies and infrastructure. Investment in clean ...

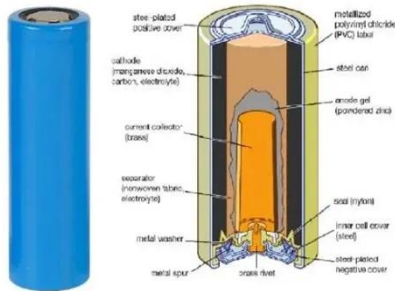


Chart: Global investment in the energy transition ...

Feb 7, 2025 · Nearly \$ 2. 1 trillion was invested in the global energy transition in 2024 -- the highest-ever annual amount. Last year's total energy-transition ...

Global energy investment set to rise to \$3.3 ...

Jun 5, 2025 · Investment in clean technologies - renewables, nuclear, grids, storage, low-emissions fuels, efficiency and electrification - is on course to hit ...



Leaders expect Rs 4.79 trillion investment in



energy storage ...

Apr 21, 2025 · Industry leaders expect Rs 4.79 trillion investment in energy storage by 2032 to further boost this growth and position the country as a global leader in energy storage ...

Global investment in clean energy exceeded \$2 Trillion in 2024

Jan 31, 2025 · Global investment in the clean energy transition grew 11% in 2024, hitting a record \$2.1 trillion, according to a report released this week by BloombergNEF (BNEF). The Energy ...



Global Energy Transition Needs US\$1.2 Trillion Battery Storage

Aug 18, 2025 · Global investments of around US\$1.2 trillion in battery energy storage systems (BESS) will be required by 2034 to support the addition of more than 5,900 gigawatts (GW) of ...

Executive summary - World Energy Investment 2025 -

...

Aug 10, 2025 · Executive summary
Despite elevated geopolitical tensions and economic uncertainty, this tenth edition of the IEA's World Energy Investment shows that capital flows to ...



Energy storage in China: Development progress and

...

Nov 15, 2023 · Even though several reviews of energy storage technologies have been published, there are still some gaps that need to be filled, including: a) the development of energy storage ...

Energy investments 2025 to hit \$3.3 trillion, solar ...

Jun 5, 2025 · Of the more than \$3 trillion in total projected investments, around \$2.2 trillion will go toward renewable energy, nuclear, grids, storage, low ...



New energy storage to see large-scale development



by 2025

Mar 2, 2022 · China aims to further develop its new energy storage capacity, which is expected to advance from the initial stage of commercialization to large-scale development by 2025, with ...

New Energy Storage Technologies Empower Energy

May 31, 2023 · Based on a brief analysis of the global and Chinese energy storage markets in terms of size and future development, the publication delves into the relevant business models ...



Energy Transition Investment Trends 2025

Apr 23, 2025 · Global energy transition investment has surpassed \$2 trillion for the first time and more than doubled since 2020, but growth slowed to just 10.7% in 2024, from 24-29% in each ...

Global Investment In The Clean Energy Transition Surpassed \$2...

Feb 13, 2025 · Global investment in the low-carbon energy transition surged to a record \$2.1 trillion in 2024, marking an 11% increase from the previous year, according to the "Energy ...



Accelerating the Energy Transition: Unpacking the

...

Jan 10, 2025 · BOX 1 Despite ambitious targets set by governments and companies globally, a comprehensive energy transition that enhances equity, security and sustainability still faces ...

Global clean energy spending to reach USD 2.2trn in 2025

Jun 5, 2025 · Global investment in clean energy technologies, including renewables, nuclear, grids, storage, low-emissions fuels, efficiency and electrification, is expected to reach a record ...



Global investments of \$1.2



trillion needed for energy storage ...

Jul 3, 2025 · According to a report published by consulting firm Wood Mackenzie on July 2, global expansion of renewable energies will require \$1.2 trillion in investments in Battery Energy ...

The Trillion-Dollar Energy Storage Revolution: What You ...

Aug 21, 2023 · With global investments hitting \$1.2 trillion according to IEA forecasts [2] [6], energy storage has become the missing puzzle piece in our renewable energy jigsaw. But how ...



Energy transition investment tops US\$2tn for the ...

Feb 3, 2025 · Global investment in the energy transition topped US\$2 trillion for the first time in 2024, led by mature technologies such as renewable energy ...

Global investments of \$1.2 trillion needed for energy

storage ...

Jul 3, 2025 · A Wood Mackenzie report estimates required battery investments at \$1.2 trillion to integrate an additional 5,900 GW of renewable energy, highlighting battery storage systems' ...



US\$ 1.2 trillion in battery storage investments needed to ...

Jul 2, 2025 · News Release US\$ 1.2 trillion in battery storage investments needed to support global renewable buildout Grid-forming battery technology emerges as critical solution for ...

Analysis of the trillion dollar long-term energy storage ...

Jun 19, 2025 · Analysis of the trillion dollar long-term energy storage market and technology-Shenzhen ZH Energy Storage - Zhonghe VRFB - Vanadium Flow Battery Stack - Sulfur Iron ...



New energy storage key to spur economy



May 7, 2025 · A technician monitors energy storage equipment in Yibin, Sichuan province, in December. Zhuang Geer / for China Daily Leveraging its dominant position in electric vehicles, ...

Energy Storage Trillion-Dollar Development Prospects: The ...

This isn't science fiction - it's the trillion-dollar reality of energy storage shaping our 2025 energy landscape. With global energy storage investments projected to hit \$1.2 trillion by 2025 [3] [6], ...



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